

## ABSTRACT

Improved capillary sealing is provided for withstanding shock events, vibration and evaporation, for use with fluid dynamic bearings. In an aspect, minimal axial space is occupied by a fluid reservoir and the sealing system and method withstands at least 1000 G shock events. A fluid reservoir having a capillary surface is formed between diverging walls. A fluid fill pool, separate from the fluid reservoir and having a steeper angle than the fluid reservoir, is positioned adjacent to a fluid fill hole. The fill pool, having a greater diverging angle than the fluid reservoir provides an unstable region for fluid to remain and any fluid is pulled by capillary force gradient to the fluid reservoir.